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 WMAP Cosmological Parameters

Model: olcdm

Data: wmap9

$10^9 \Delta_{\mathcal{R}}^2$	$2.43 \pm 0.11$	$H_0$	$38 < H_0 < 84 \text{ km/s/Mpc (95% CL)}$
$\ell(\ell+1)C_{220}/(2\pi)$	$5747 \pm 35 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	$14168 \pm 122 \text{ Mpc}$
$d_A(z_*)$	$14016 \pm 119 \text{ Mpc}$	$D_v(z = 0.57)/r_s(z_d)$	$14.9_{-2.2}^{+2.3}$
$\eta$	$(6.16 \pm 0.14) \times 10^{-10}$	$k_{\text{eq}}$	$0.01002 \pm 0.00033$
$\ell_{\text{eq}}$	$140.4_{-3.6}^{+3.5}$	$\ell_*$	$302.43_{-0.65}^{+0.66}$
$n_b$	$(2.531 \pm 0.057) \times 10^{-7} \text{ cm}^{-3}$	$n_s$	$0.969 \pm 0.014$
$\Omega_b$	$0.032 < \Omega_b < 0.151 \text{ (95% CL)}$	$\Omega_b h^2$	$0.02253 \pm 0.00051$
$\Omega_c$	$0.16 < \Omega_c < 0.80 \text{ (95% CL)}$	$\Omega_c h^2$	$0.1147 \pm 0.0046$
$\Omega_k$	$-0.037_{-0.042}^{+0.044}$	$\Omega_k$	$-0.212 < \Omega_k < 0.021 \text{ (95% CL)}$
$\Omega_\Lambda$	$0.22 < \Omega_\Lambda < 0.79 \text{ (95% CL)}$	$\Omega_m$	$0.19 < \Omega_m < 0.95 \text{ (95% CL)}$
$\Omega_m h^2$	$0.13 < \Omega_m h^2 < 0.14 \text{ (95% CL)}$	$\Omega_{\text{tot}}$	$1.037_{-0.044}^{+0.042}$
$\Omega_{\text{tot}}$	$0.98 < \Omega_{\text{tot}} < 1.21 \text{ (95% CL)}$	$r_s(z_d)$	$152.1 \pm 1.3 \text{ Mpc}$
$r_s(z_d)/D_v(z = 0.106)$	$0.306_{-0.064}^{+0.063}$	$r_s(z_d)/D_v(z = 0.2)$	$0.168_{-0.033}^{+0.032}$
$r_s(z_d)/D_v(z = 0.35)$	$0.102 \pm 0.018$	$r_s(z_d)/D_v(z = 0.44)$	$0.085 \pm 0.014$
$r_s(z_d)/D_v(z = 0.54)$	$0.072 \pm 0.011$	$r_s(z_d)/D_v(z = 0.57)$	$0.069 \pm 0.010$
$r_s(z_d)/D_v(z = 0.6)$	$0.0662_{-0.0099}^{+0.0097}$	$r_s(z_d)/D_v(z = 0.73)$	$0.0575_{-0.0079}^{+0.0078}$
$r_s(z_*)$	$145.6 \pm 1.2$	$R$	$1.732 \pm 0.016$
$\sigma_8$	$0.804_{-0.030}^{+0.032}$	$\sigma_8 \Omega_m^{0.5}$	$0.51 \pm 0.11$
$\sigma_8 \Omega_m^{0.6}$	$0.47 \pm 0.12$	$A_{\text{SZ}}$	$< 2.0 \text{ (95% CL)}$
$t_0$	$14.8 \pm 1.5 \text{ Gyr}$	$\tau$	$0.087 \pm 0.014$
$\theta_*$	$0.010388 \pm 0.000022$	$\theta_*$	$0.5952 \pm 0.0013 \text{ }^\circ$
$\tau_{\text{rec}}$	$283.5 \pm 2.4$	$t_{\text{reion}}$	$462_{-68}^{+67} \text{ Myr}$
$t_*$	$375533_{-4179}^{+4189} \text{ yr}$	$z_d$	$1020.5 \pm 1.1$
$z_{\text{eq}}$	$3285 \pm 108$	$z_{\text{rec}}$	$1088.33 \pm 0.81$
$z_{\text{reion}}$	$10.4 \pm 1.1$	$z_*$	$1091.19 \pm 0.89$

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